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CONTRACTING ORGANIZATION: Walter Reed Army Institute of Research
Washington, DC 20308-5100

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Fort Detrick, Maryland 21702-5012

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FOREWORD

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PI - Signature

Date

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1998 GORDON RESEARCH CONFERENCE
on MALARIA
FINAL PROGRESS REPORT

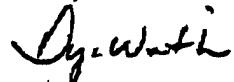
ARMY MEDICAL RESEARCH & DEVELOP COMMAND
GRANT NO. DAMD17-98-1-8364

The Gordon Research Conference (GRC) on MALARIA was held at SOMERVILLE from 7/25/98 thru 7/31/98. The Conference was well-attended with 103 participants (attendees list attached). The attendees represented the spectrum of endeavor in this field coming from academia, industry, and government laboratories, both U.S. and foreign scientists, senior researchers, young investigators, and students.

In designing the formal speakers program, emphasis was placed on current unpublished research and discussion of the future target areas in this field. There was a conscious effort to stimulate lively discussion about the key issues in the field today. Time for formal presentations was limited in the interest of group discussions. In order that more scientists could communicate their most recent results, poster presentation time was scheduled. Attached is a copy of the formal schedule and speaker program and the poster program. In addition to these formal interactions, "free time" was scheduled to allow informal discussions. Such discussions are fostering new collaborations and joint efforts in the field.

I want to personally thank you for your support of this Conference. As you know, in the interest of promoting the presentation of unpublished and frontier-breaking research, Gordon Research Conferences does not permit publication of meeting proceedings. If you wish any further details, please feel free to contact me. Thank you.

Sincerely,



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Malaria

Somerville College, Oxford
July 26-31, 1998

Sunday Evening:

(5:30 pm - 7:00 pm) Dinner

7:00 pm - 9:00 pm Introductions

Malaria in Africa: Epidemiology and Case Management
Dr. Ogora Doumbo, University of Mali

Immunology: Where are our gaps in knowledge
Dr. Odile Pujalon, Institut Pasteur

Drugs and drug resistance
Dr. Ayo Oduola, University of Ibadan

9:00 pm - 10:30 pm Reception

Monday Morning:

(8:00 am - 9:00 am) Breakfast

9:00 am - 12:30 pm **Pathogenesis: Why children die**
Dr. Richard Carr and Dr. Dominic Kwiatkowski, John Radcliffe Hospital

Bednets: Are we saving lives
Dr. Christian Lengeler, Swiss Tropical Institute

Epidemiology and Population Biology
Dr. Karen Day, University of Oxford

New Drug Development: Drug Targets
Dr. Yongyuth Yuthavong, National Science and Technology Development Agency

Monday Afternoon:

(12:30 pm - 1:30 pm) Lunch

1:30 pm - 4:00 pm Free Time

4:00 pm - 5:30 pm **Poster Session (with refreshments)**
(Immunology and vaccines, epidemiology and bednets)

Monday Evening:

(5:30 pm - 7:00 pm) Dinner

pm)

Working Groups

7:00 pm. - 9:30 pm

- Immunology and Vaccines: Dr. Rose Leké, University of Yaoundé
- Biochemistry and Genetics: Dr. Yongnith Yulhavong
- Drugs and Drug Resistance: Dr. Ayo Oduola
- Pathogenesis and Case Management- Dr. Brian Greenwood, London School of Hygiene and Tropical Medicine
- Vector Biology: Dr. Richard Hawley, CDC and Dr. Tony James, University of California
- Bednets: Dr. Jacqueline Cattani, University of South Florida and Dr. Ogobnra Doumbo
- Epidemiology: Dr. Karen Day

9:30 pm - 12:00 pm Informal discussion /Cash Bar

Tuesday Morning:

(8:00 am - 9:00 am) Breakfast

am)

9:00 am -12:30 pm Immunology and Vaccines:

Immunology and Human Immune Response:

- Dr. Eleanor Riley, University of Edinburgh
- Dr. Peter Perlman, Stockholm University
- Dr. Rose Leké

Ongoing Human Vaccine Trials

- Dr. Elizabeth Nardin, NYU School of Medicine
- Dr. Ruobing Wang, Naval Medical Research Institute
- Dr. Margaret Pinder, Medical Research Council

Tuesday Afternoon:

(12:30 pm - 1:30 pm) Lunch

2:00 pm - 4:00 pm Free Time

4:00 pm - 5:30 pm Poster Session II (with refreshments)
(Drugs and Drug Resistance, Vector Biology)

Tuesday Evening:

(5:30 pm - 7:00 pm) Dinner

7:00 pm - 8:30 pm Vector Biology: Current status and gaps in our knowledge
Vector Biology: Will designer mosquitoes work
Dr. Tony James

8:15 pm - 9:15 pm Cytoadherence

- Dr. Chris Newbold, University of Oxford
- Dr. Ross Coppel, Monash University

9:15 pm - 10:30 pm Working Groups continued

10:30 pm - 12:00 Informal discussion /Cash Bar

pm

Wednesday Morning:

(8:00 am - 9:00 Breakfast

am)

9:00 am - 10:15 The Malaria Genome

am

- Overview: Dr. Chris Newbold
- Chromosome 2: Dr. Malcolm Gardner, Institute of Genomic Research

10:30 am - 12:30 Working Groups continued

pm

Wednesday Afternoon:

(12:30 pm - 1:30 Lunch

pm)

2:00 pm - 4:00 pm Free Time

3:00 pm - 4:30 pm Opportunities for funding

Dr. Michael Gottlieb

Dr. Fabio Zicker

Dr. Catherine Davies

Dr. Dennis Kyle

4:00 - 5:30 pm Poster Session III (with refreshments)
(Pathogenesis and Case Management, Biochemistry and Genetics)

Wednesday Evening:

(5:30 pm - 7:00 Dinner

pm)

7:00 pm - 8:15 pm Molecular Markers of Drug Resistance
Dr. Chris Plowe, University of Maryland

New approaches to Drug Development
Dr. Dennis Kyle, Walter Reed Army Institute of Research

8:30 pm - 10:00 pm Summary of Working Group Discussions (30 minutes each)

Immunology and Vaccines - Dr. Rose Leke

Vector Biology - Dr. Richard Hawley

Epidemiology - Dr. Karen Day

10:00 pm - 12:00 Informal discussion /Cash Bar

pm

Thursday Morning:

(8:00 am - 9:00 Breakfast

am)

9:00 am - 12:15 pm Summary of Working Group Discussions (30 minutes each)

Pathogenesis and Case Management - Dr. Brian Greenwood

Bednets - Dr. Ogobara Dournbo

Drugs and Drug Resistance - Dr. Ayo Odoula.
Biochemistry and Genetics - Dr. Yongyuth Yuthavong

General Discussion - Dr. Odile Pujalon

Thursday Afternoon:

(12:30 pm - 1:30 pm) Lunch

2:00 - 4:00 pm Free Time for Discussion

4:00 - 6:00 pm Opportunities and Challenges in Malaria Research

- Dr. Ogobara Doumbo
- Dr. Ruth Nussenzweig, New York University Medical Center
- Dr. Ayo Odoula
- Dr. Louis Miller, NIH
- Dr. Yongyuth Yuthavong

Thursday Evening:

7:30 pm Dinner

9:00 pm - 12:00 pm Informal discussion /Cash Bar

Friday Morning:

(8:00 am - 9:00 am) Breakfast and departure

**1998 Registration List:
MALARIA**

**This was the final registration list for the 1998 Conference on
MALARIA.**

NAME	ORGANIZATION	PARTICIPATION	STATUS
<i>Last Updated 17-OCT-98</i>			
EDITH AJATYEBOR	UNIVERSITY OF IRADAN, NIGERIA	POSTER	Registered
JOHN W BARNWELL	NEW YORK UNIVERSITY SCHOOL OF MEDIC	DISC LDR	Registered
HANS-PETER BECK	SWISS TROPICAL INSTITUTE	POSTER	Registered
CAROL L BERKOWER	HOWARD HUGHES MEDICAL INSTITUTE	ATTENDEE	Registered
JEAN BICKI	ORGANISATION DE LA COORDIN. DE LUTT	ATTENDEE	Registered
ANDRIKS BJORKMAN	KAROLINSKA INSTITUTE	ATTENDEE	Registered
SCOTT BOILLE	UNIVERSITY OF WYOMING	ATTENDEE	Registered
KALIFA BOJANG	MEDICAL RESEARCH COUNCIL LABORATORI	POSTER	Registered
RICHARD CARK	UMDS, ST. THOMAS'S HOSPITAL	ATTENDEE	Registered
JACQUELINE CATTANI	MAHIDOL UNIVERSITY	ATTENDEE	Registered
SANSANGE C CHAIYAROJ	GENZYME TRANSGENICS CORP	POSTER	Registered
LI-HION CHEN	MONASH UNIVERSITY	SPEAKER	Registered
ROSS L COPPEL	WIDSC	ATTENDEE	Registered
PATRICK H CORRAN	O.C.C.G.B./CENTRE MURAZ	POSTER	Registered
SHWICK O COULDEALY	LONDON SCHOOL OF HYGIENE & TROPICAL	ATTENDEE	Registered
C B CURTIS	UNIVERSITY OF OXFORD	ATTENDEE	Registered
KAREN D DAY	INSTITUT PASTEUR	ATTENDEE	Registered
ALIOUNE DIEYE	QUEENSLAND INST. OF MEDICAL RESEARC	ATTENDEE	Registered
DENISR L DOOLAN	DEPT. D'EPIDEMIOLOGIE DE AFFECTIONS	SPEAKER	Registered
OONARA DOUMBO	UNIVERSITY OF FLORIDA COLLEGE OF ME	ATTENDEE	Registered
BEN M DUNN	UNIVERSITY OF KHARTOUM	SPEAKER	Registered
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C O FAJADE	CRERRRS LTD.	ATTENDEE	Registered
ALLAN FLETCHER	WALTER REED ARMY INSTITUTE OF RESEA	POSTER	Registered
MICHAL FRIED	THE INSTITUTE FOR GENOMIC RESEARCH	SPEAKER	Registered
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ROSE LEKE	UNIVERSITY OF YAOUNDE I	SPEAKER	Registered
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T K MUTALINGWA	NATIONAL INSTITUTE FOR MEDICAL RESE	SPEAKER	Registered
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C NKWESHO	UNIVERSITY OF OXFORD	ATTENDEE	Registered
RUTH S NUSSENZWEIG	NYU SCHOOL OF MEDICINE	ATTENDEE	Registered
VICTOR NUSSENZWEIG	NEW YORK UNIVERSITY MEDICAL CENTER	ATTENDEE	Registered
AYO ODUOLA	COLLEGE OF MEDICINE IBADAN	SPEAKER	Registered
O.A.T. OJUNDABUNGI	COLLEGE OF MEDICINE IBADAN	ATTENDEE	Registered
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OLE-MOYIUCI ONESSO	INST. OF MOLECULAR & CELL BIOLOGY (SPEAKER	Registered
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MARGARET PINDER	MRC LABORATORIES, FAJARA	POSTER	Registered
CHRISTOPHER V FLOWE	UNIVERSITY OF MARYLAND	SPEAKER	Registered
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ODILE PUJALON	UNITE D'IMMUN. MOLEC. DE PARASITES	SPEAKER	Registered
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ADAM M RICCIANI	EUROPEAN MOLECULAR BIOLOGY LABORATO	ATTENDEE	Registered
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